Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) Stress/strain measuring sensor for the continuous monitoring of stress/strain conditions, wherein the sensor comprises:

a first inductor of the sensor; and

at least one other element which is made of piezoelectric or magnetostrictive material, and which comprises ~~at least one pressure dependent first impedance or~~ a second impedance [[and]] connected in parallel with a second inductor to form an electromagnetic resonating circuit of the sensor,

wherein the second impedance and/or the second inductor are pressure-dependent, so that when the amount of pressure being applied to the at least one other element is changed, the resonant frequency of [[an]] the electromagnetic resonating circuit shifts ~~that is formed by impedance and inductor changes~~.

Claims 2-4 (Canceled)

5. (Previously Presented) Stress/strain measuring sensor according to Claim 1 wherein the sensor is essentially a foil, on which the first inductor and contact surfaces for contacting the element are arranged.

6. (Previously Presented) Stress/strain measuring sensor according to Claim 5, wherein the foil-type sensor encompasses the at least one other element at least partially in the area of the contact surfaces.

7. (Previously Presented) Stress/strain measuring sensor according to Claim 5 wherein the section of the foil-type sensor that is equipped with the first inductor projects out over the element.

8. (Previously Presented) Stress/strain measuring sensor according to Claim 1 wherein the first inductor serves as both coupling and decoupling element.

9. (Previously Presented) Stress/strain measuring sensor according to Claim 1 wherein a testing device for checking the stress/strain condition is coupled, contact-free, to the sensor via the first inductor.

10. (Previously Presented) Stress/strain measuring sensor according to Claim 1 wherein the at least one other element is integrated into a flat washer.

11. (Previously Presented) Stress/strain measuring device according to Claim 10, wherein a second element is arranged in the flat washer to allow comparative measurement to compensate for the effects of temperature and aging.

12. (Previously Presented) Stress/strain measuring sensor according to Claim 10 wherein the flat washer is positioned between a mounting assembly and a structure that is connected to said mounting assembly.

Claims 13-17 (Canceled)

18. (New) Stress/strain measuring sensor according to Claim 1, wherein the first inductor has a meandering form.

19. (New) Stress/strain measuring sensor for the continuous monitoring of stress/strain conditions, wherein the sensor comprises:

a first inductor of the sensor; and

at least one other element which is made of piezoelectric or magnetostrictive material, and which comprises a second impedance connected in parallel with a second inductor to form an electromagnetic resonating circuit of the sensor,

wherein the second impedance and/or the second inductor are pressure-dependent, so that when the amount of pressure being applied to the at least one other element is changed, the resonant frequency of the electromagnetic resonating circuit shifts, and

wherein the first inductor and the at least one other element are arranged in a single package as a foil-type sensor.

20. (New) Stress/strain measuring sensor according to Claim 19, wherein the foil-type sensor encompasses the at least one other element at least partially in the area of the contact surfaces.

21. (New) Stress/strain measuring sensor according to Claim 19, wherein the section of the foil-type sensor that is equipped with the first inductor projects out over the element.

22. (New) Stress/strain measuring sensor according to Claim 19 wherein the first inductor serves as both coupling and decoupling element.

23. (New) Stress/strain measuring sensor according to Claim 19, wherein a testing device for checking the stress/strain condition is coupled, contact-free, to the sensor via the first inductor.

24. (New) Stress/strain measuring sensor according to Claim 19, wherein the at least one other element is integrated into a flat washer.

25. (New) Stress/strain measuring device according to Claim 24, wherein a second element is arranged in the flat washer to allow comparative measurement to compensate for the effects of temperature and aging.

26. (New) Stress/strain measuring sensor according to Claim 24, wherein the flat washer is positioned between a mounting assembly and a structure that is connected to said mounting assembly.

27. (New) Stress/strain measuring sensor according to Claim 19, wherein the first inductor has a meandering form.